

PRODUCT CODE: 493795

**Buffered Peptone Water (ISO 6579; 22964; 6887, DIN 10181; 10160)
(Prepared Bottles) for microbiology**

Specification

Dilution and non-selective pre-enrichment liquid medium according to ISO standards.

Presentation

3 Prepared Bags	Packaging Details	Shelf life	Storage
	1 box with 3 bags of 3L.		
3 L Bags with: 3000 ± 10 ml	PVC plasticizer free sterile bag with: 1 vial stopper + 1 penetrable cap. Dimensions: 23 x 32 cm. For use in food testing.	16 months	8-25°C
10 Prepared bottle	Packaging Details	Shelf life	Storage
	1 box with 10 bottles 125 ml. Injectable cap: Plastic screw inner cap. The use of syringes needles with a diameter greater than 0.8 mm is not recommended.	16 months	8 – 25°C

Description and Technique

Description

This formulation of Buffered Peptone Water has the advantages of the two classical diluents used for food samples: it has the property of revitalization of the peptone water and the pH change absorbing capacity of the phosphate buffer. The composition of this diluent is made according to the specification of the ISO Standard 6579 for the detection of Salmonella in foods and other ISO Standards (6785, 6887, 8261).

Technique

Inoculate according to final purpose, samples and validated methods.

The Bag is intended for use with an automatic dispenser in laboratories requiring large volumes of broth media or diluent.

Discard any partially used bag to avoid contamination.

The bag has multiple connection points: 1 penetrable cap (injection port) latex-free polycarbonate, for any additive injection required. And an injection (vial stopper) to connect to any standard equipment laboratory dosing with a connector.

Once completely empty, the bag can be disposed of along with normal plastic (PVC).

Quality control

Physical/Chemical control	Microbiological control	Sterility control
Color: Yellow pH: 7 ± 0.2 at 25°C	1- Prepare tubes 2- Inoculate $10^3 - 10^4$ (Productivity) 3- Subculture to T_0 , 45 minutes, 1h at $20-25^{\circ}\text{C}$ Microbiological control according to ISO 11133. Aerobiosis. Incubation at $36 \pm 2^{\circ}\text{C}$, reading at $18 \pm 2\text{h}$	Incubation 48 hours at $30-35^{\circ}\text{C}$ and 48 hours at $20-25^{\circ}\text{C}$: NO GROWTH Check at 7 days after incubation in same conditions
Microorganism	Growth	
<i>Stph. aureus</i> ATCC® 25923, WDCM 00034	Good. Recovery $\pm 30\%$ T_0 (original enumeration)	
<i>Escherichia coli</i> ATCC® 25922, WDCM 00013	Good. Recovery $\pm 30\%$ T_0 (original enumeration)	
<i>Escherichia coli</i> ATCC® 8739, WDCM 00012	Good	
<i>Salmonella typhimurium</i> ATCC® 14028, WDCM 00031	Good	
<i>Salmonella enterica</i> ATCC® 13076, WDCM 00030	Good	

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